Fully Actuated

NOTES

2 Phase

(Lexington NC 8 CLS)

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Reposition existing signal heads as shown.
- 4. Set all detector units to presence mode.
- 5. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 6. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 7. Pedestrian pedestals are conceptual and shown for reference only. See sheets P1-P3 for pushbutton location details.
- 8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 9. Closed loop system data: Controller Asset #: 0402.
- 10. All signal heads and visors shall be black in color.

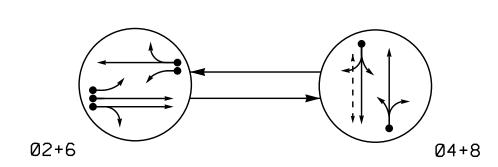
<u>LEGEND</u>

<u>PROPOSED</u>		<u>EXISTING</u>
\bigcirc	Traffic Signal Head	
0->	Modified Signal Head	N/A
\dashv	Sign	\dashv
	Pedestrian Signal Head With Push Button & Sign	+
<u> </u>	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	,
	Inductive Loop Detector	$\subset = = \supset$
	Controller & Cabinet	K_X K_N
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow
— DD —	Directional Drill	N/A
0	- Metal Pole with Mastarm	
N/A	Curb Ramp	
\bigcirc	Type II Signal Pedestal	
$\langle A \rangle$	"NO TURN ON RED" Sign (R10-11) <u>(</u>

Signal Upgrade - Final Design

Prepared in the Offices of:	NC 8 (Winston Road at 9th Street	d)	SEAL CARO ROFESSIONA
Signoi Design Section	Division 9 Davidson County PLAN DATE: May 2015 REVIEWED BY:	Lexington	SEAL 026486
750 N.Greenfield Pkwy,Garner,NC 27529	PREPARED BY: I. O. UMOZUNIKE REVIEWED BY:		
0 50 1"=50'	REVISIONS	INIT. DATE	DocuSigned by 6, 1B9B\$4601AA44RE SIG. INVENTORY NO. 09

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

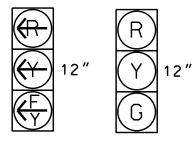
DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT ← − − > PEDESTRIAN MOVEMENT

TABLE OF 0	PER	ATI	ON	
PHASE				
SIGNAL FACE	®N+6	Ø4 + 8	FLASI	
21	цþ>	#	*	
22, 23	G	R	Υ	
41, 42	R	G	R	
61	щ≻	#	→	
62,63	G	R	Υ	
81, 82	R	G	R	
P41, P42	DW	W	DRK	

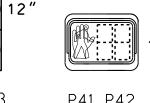
W - Walk DW - Don't Walk DRK – Dark

SIGNAL	FACE	I.D.

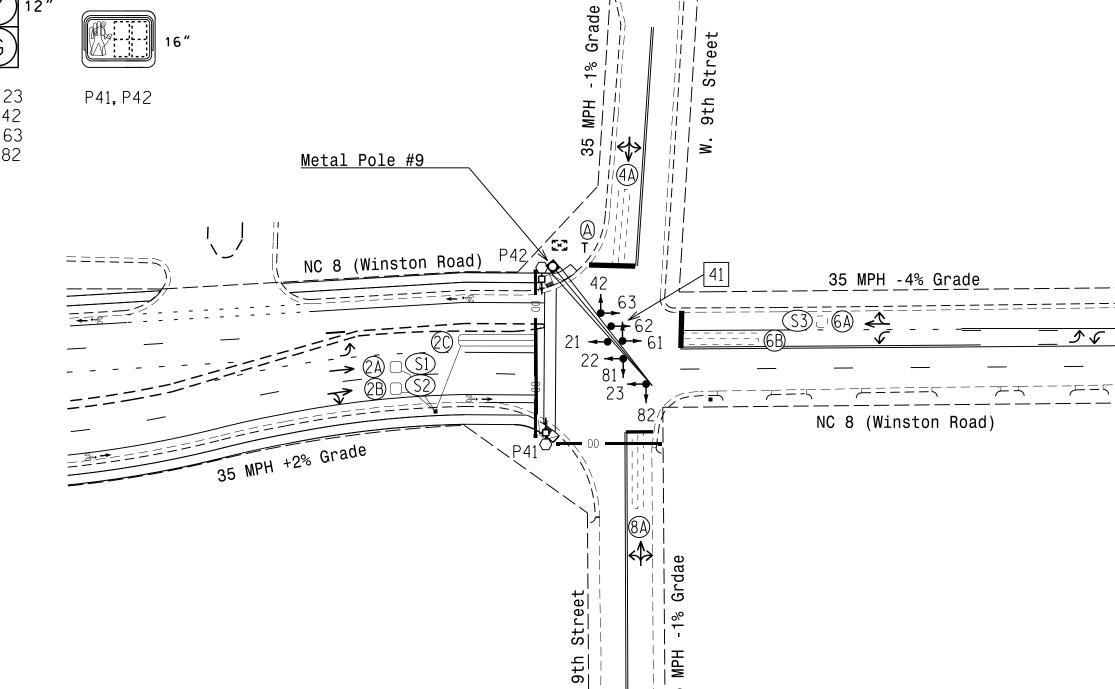
All Heads L.E.D.



22, 23 41, 42



62, 63 81, 82



OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

DETECTOR PROGRAMMING

INDUCTIVE LOOPS

SIZE (FT)

2A/S1 | 6X6 | 70 |

6X6

6X40

6X40

6X6

6X40

6X40

LOOP

2B/S2

4 A

6A/S3

DISTANCE

FROM

70

0

70

2-4-2

2-4-2

2-4-2

0 2-4-2

STOPBAR

OASIS 2070 TIMING CHART				
	PHASE			
FEATURE	2	4	6	8
Min Green 1 *	10	7	10	7
Extension 1 *	3.0	2.0	3.0	2.0
Max Green 1 *	50	25	50	25
Yellow Clearance	4.1	3.9	4.1	3.9
Red Clearance	1.4	1.5	1.4	1.9
Walk 1 *	-	7	-	-
Don't Walk 1	-	18	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MIN RECALL	-	MIN RECALL	-
Vehicle Call Memory	YELLOW	-	YELLOW	-
Dual Entry	-	ON	-	ON
C: lı C	ON	ON	ON	ON

phases 2 and 6 lower than what is shown. Min Green for all other phases should not